

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

of

1

Complete if Known

Application Number	10/082,065
Filing Date	February 26, 2002
First Named Inventor	W. BEGELL ET AL
Group Art Unit	1723
Examiner Name	TO BE ASSIGNED
Attorney Docket Number	12063/11

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04
³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 1 of 4

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Application Number	10/082,065
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First Named Inventor	W. BEGELL et al.
Group Art Unit	1761
Examiner Name	TO BE ASSIGNED
Attorney Docket Number	12063/11

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
[Signature]		US- 6,228,239	05-08-01	Manalastas et al.	
		US- 6,214,236	04-10-01	Scalliet	
		US- 6,077,433	06-20-00	Henriksen et al.	
		US- 6,033,576	03-07-00	Russo	
		US- 5,951,456	09-14-99	Scott	
		US- 5,811,013	09-22-98	Ito	
		US- 5,580,464	12-03-96	Bailes	
		US- 5,716,525	02-10-98	Nickerson	
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		US- 5,643,459	07-01-97	Hubred et al.	
		US- H1568	08-06-96	Huang et al.	
		US- 5,538,628	07-23-96	Logan	
		US- 5,549,819	08-27-96	Nickerson	
		US- 5,080,802	01-14-92	Cairo, Jr. et al.	
		US- 4,582,629	04-15-86	Wolf	
		US- 4,305,907	12-15-81	Baird	
		US- 4,238,326	12-09-80	Wolf	
		US- 4,033,853	07-05-77	Hann	
		US- 3,562,179	02-09-71	Cymbalisty	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
[Signature]		SU 1713628	02-23-92	Dobkin et al.		
		SU 1694196	11-30-91	Esikov et al.		
		SU 1449154	01-07-89	Dolinskii et al.		
		SU 1590135	09-07-90	Nemchina et al.	Abstract only	
		SU 1176933	09-07-85	Nemchina et al.		
		SU 827138	05-07-81	Beskorovai et al.	Abstract only	
		NL 7207259	11-29-79	Chisso Engineering, Ltd.		
		SU 593724	02-05-78	Nemchin et al.		

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

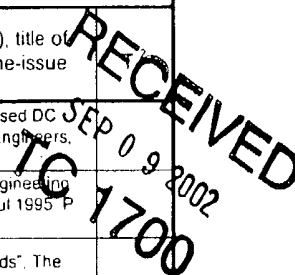
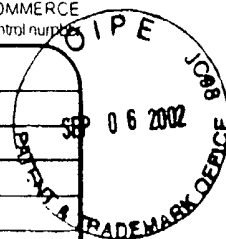
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
Ran		BAILES ET AL., article entitled, "Experimental Investigation into the Motion of a Single Drop in a Pulsed DC Electric Field", Chemical Engineering Research and Design, Transaction of the Institute of Chemical Engineers, Part A v 78 n 3 2000, p 499-505
		BAILES, article entitled, "Electrical model for coalescers that Employ Pulsed DC Fields", Chemical Engineering Research and Design, Transactions of the Institute of Chemical Engineers, v 73 n A5 Jul 1995, p 559-566
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		BAILES, P.J., article entitled, "Influence of Phase Ratio on Electrostatic Coalescence of Water-in-oil Dispersions", Chemical Engineering Research & Design, (Jan. 1984) vol. 62, no. 1, p 33-8 - 13 references, UK
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		BASOK, B.I., article entitled, "Breakup of Dispersed Phase in Boiling Flow of Emulsion", Prom. Teploekh. (1999), 21(4-5), 55-71
		BASOK, B.I., article entitled, "Equipment for Production and Processing of Highly Viscous Disperse Media", Heat Transfer Research v 27 n 5 1996 p. 484-491
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Ran		DOLINSKII, A., article entitled, "Investigation of Inclusions Breakup During Adiabatic Boiling and Flooding of Emulsion Jet Flow", Prom. Teploekh. (1998), 20(5), 3-4

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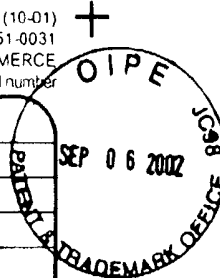
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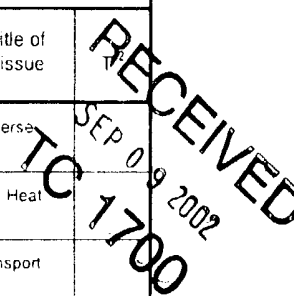
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First Named Inventor	W. BEGELL et al.
Group Art Unit	1761
Examiner Name	TO BE ASSIGNED
Attorney Docket Number	12063/11



OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
Ran		DOLINSKII, A., entitled "Mechanisms of Hydrodynamic Fragmentation of Inclusions in a Boiling-up Disperse Medium Flow", Heat Transfer Research v. 28 n4 1997, p 319-324
		DOLINSKIY, A., entitled, "Experimental Study of the Effect of Sterilization of Dispersed Liquid Systems", Heat Transfer Research v 26 n 1-2 1995 p 135-138
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		EOW, J.S. et al., article entitled, Deformation and Break-up Of Aqueous Drops in Dielectric Liquids in High Electric Fields", Journal of Electrostatics (May 2001) vol. 51-52, p.463-9 - 10 refs.
		HECK, J., article entitled, "Separation Efficiency of Sieve Plate Extraction Column with Varying Energy", Chem.-Ing.-Tech. (1985) 57(8), p.689, 2f,31
		KATAOKA, T., article entitled, "Development of a Continuous Electric Coalescer of W/O Emulsions in Liquid Surfactant Membrane Process", Sep. Sci Technol v 25 n 1-2 1990 p 171-185
		LE GARREC, S., article entitled, "Numerical Simulation of the Dispersion Phenomenon in a Pulsed Column", Computers & Chemical Engineering (1993) vol.17, suppl.issue, p.S499-504 - 11 refs., UK
Ran		LINARDI, M. et al., article entitled, "Experimental Investigations of the Separation of Aqueous Entrainments from tri-n-butyl phosphate by electric fields", Kerntechnik v 61 n 4 Aug 1996 p 168-172



Examiner Signature	<i>[Signature]</i>	Date Considered	4/27/04
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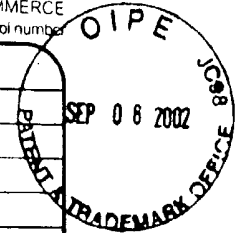
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**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

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La		MAZUMDER, B. S., article entitled, "Effect of Boundary Reaction on Solute Dispersion in Pulsatile Flow Through a Tube", Journal of Fluid Mechanics (June 1992) vol. 239, p. 523-49 - 35 refs., UK
		NAKORCHEVSKII, A., article entitled, "Effect of Low-Frequency Pulses on Interphase Mass Transfer", Theor. Found. Chem. Eng. (Transl. Of Teor. Osn. Khim. Tekhnol.) (1997), 31(5): 503-505
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La		WASILEWSKI, P. J.; article entitled, "Shock Induced Magnetic Effects in Fine Particle Iron Dispersions," Journal of Applied Physics (March 1979) vol. 50, no3, pt. 2, p. 2411-13; U.S.

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